

STEREO MOC Status Report  
Time Period: 2007:001 - 2007:007

STEREO Ahead (STA) Status:

1. There was one Ground System anomaly during this reporting period.

- On day 006, station DSS-26 had a transmitter anomaly from AOS (1540Z) until 1822Z. Command was established at 1822Z and continued to the end of the track. This problem did not affect the completion of any track objectives.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On days 004 and 005 SECCHI EUVI Flat Field Calibrations were conducted. The day 004 event was a SECCHI driven off-point and the day 005 event was a spacecraft driven off-point. While the spacecraft was properly configured for the day 004 event, SECCHI did not end up executing the off-point event on this day.
- On day 004 the High Gain Antenna was set to Auto-Track in preparation for the switch to using the HGA on day 008.
- The SECCHI EUVI Flat Field Calibration event on day 005 disabled HGA Auto-Track, but it was re-enabled during the track immediately following the event. This had no effect on the track as the LGA was still being used.
- On day 005, IMPACT reported one of their doors closed, this was triggered by the SECCHI EUVI Flat Field Calibration event immediately prior to this track.
- Beginning on day 006 the data rate was reduced to 360 kbps as 480kbps was no longer supported on the LGA.

STEREO Behind (STB) Status:

1. No significant Ground System anomalies occurred during this reporting period.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 002 the Peak Power Tracker Test was completed successfully.
- On day 005 the IMPACT STE Off-Point event was successfully completed.
  - At the end of this event the High Gain Antenna was placed in Auto-Track. This command was mistakenly added to this event for the Behind Spacecraft while events were being correctly modified with this command for the Ahead Spacecraft. Auto-Track was disabled during the day 005 track and the HGA was rotated back to 89 degrees. The HGA switch to Auto-Track for 70 minutes did not cause any problems.